

Message Text

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PAGE 01 BRASIL 04344 272140Z

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AMCONSUL SAO PAULO

AMCONSUL RIO DE JANEIRO

UNCLAS BRASILIA 4344

E.O. 11652: N/A

TAGS: TECH, ENRG, BR

SUBJECT: US/BRAZIL SOLAR ENERGY AND HYDROGEN TECHNOLOGY COOPERATION

REF: (A) 76 BRASILIA 9992, (B) STATE 000930; (C) BRASILIA 4094

1. SCICOUN CONSULTED WITH MINISTRY OF MINES AND ENERGY (MME) REPRESENTATIVE, DR. NEY WEBSTER ARAUJO, RESPONSIBLE FOR MME PART OF ENERGY R&D COOPERATION WITH USG ON SOLAR ENERGY COOPERATION STATUS. WEBSTER ASSERTED GOB HAS FIRM INTENTION TO SEND TEAM FOR USA VISIT ON THIS SUBJECT, BUT DELAYS IN IMPLEMENTATION OF DOMESTIC NON-CONVENTIONAL ENERGY ALTERNATIVES PROGRAM (IPIRANGA) HAVE DELAYED DECISIONS ON INTERNATIONAL SOLAR COOPERATION AND PLANS ARE STILL IN PREPARATION AND APPROVAL STATE. PARTIAL LIST OF TOPICS OF SPECIAL INTEREST TO GOB (PREPARED BY DR. KRAHE) DESCRIBED IN FOLLOWING PARAGRAPH. WEBSTER THINKS FINEP WILL CONTINUE TO HAVE MAJOR ROLE IN PROJECT IPIRANGA BUT KRAHE MAY RETAIN PERSONAL INVOLVEMENT AND HIS PRESENCE AT CNPQ MAY ENHANCE LATTER'S ROLE

2. SOLAR ENERGY TOPICS OF SPECIAL INTEREST TO GOB:

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DIRECT USE:

A. FOOD PRODUCT DRYING EQUIPMENT-EG, FRUITS, CEREALS, FISH, AND MEAT

B. THERMAL MACHINE-TURBINES AND PUMPS

C. PHOTOVOLTAIC UNITS OF LOW POWER

D. SOLAR ARCHITECTURE AND RELATED EQUIPMENT

E. TECHNOLOGY OF SOLAR CELLS

F. ELECTRICAL ENERGY GENERATION IN GENERAL

INDIRECT USES

A. EOLIC MACHINE OF SMALL AND MEDIUM POWER

B. BIOCONVERSION-EG, PRODUCTION OF COMBUSTIBLE

GASES AND LIQUIDS, FROM AGRICULTURAL AND URBAN WASTE, FERMENTATION
TECHNOLOGY, GENERAL PROCESS TECHNOLOGY

3. COMMENT, IN CONNECTION WITH PLANNED VISIT OF

DR. ROBERT COHEN (ERDA/SOLAR ENERGY/OTEC) TO BRAZIL, EMBASSY
AGREES THAT INTERESTING SCIENTIFIC DISCUSSIONS MAY BE HELD
AT UNICAMP BUT AUTHORITIES WOULD BE ESSENTIAL TO PROGRESS IN
POSSIBLE COOPERATION SINCE UNICAMP HAS NO CAPABILITY TO
PROCEED IN THIS AREA WITHOUT OFFICIAL BACKING. STATE AND
ERDA SHOULD BE AWARE THAT PRINCIPAL GOB FOCUS FOR INTEREST

IN OTEC HAS BEEN NAVAL RESEARCH INSTITUTE (IPQM) IN RIO--
ADMIRAL MOREIRA DA SILVA ALREADY IN CONTACT WITH US OFFICE
OF NAVAL RESEARCH, ERDA CONTRACTORS, AND JOHNS HOPKINS
UNIVERSITY AND CONSIDERING POSSIBLE OTEC COOPERATION
UNDER US NAVY/BRAZILIAN NAVY RESEARCH AGREEMENT.
EMBASSY/USIS ALSO INTERESTED IN KNOWING OF
COHEN'S PLANS TO LECTURE ON ENERGY
SUBJECTS AT CAMPINAS OR OTHER BRAZILIAN LOCATION.
CRIMMINS

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